

## **APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

### **Duty Cycle**

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5180	99.06%	0.04
802.11n HT20	5180	98.94%	0.05
802.11n HT40	5190	98.05%	0.09
802.11ac VHT20	5180	99.05%	0.04
802.11ac VHT40	5190	98.03%	0.09
802.11ac VHT80	5210	96.20%	0.17

## Output Power NII1

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5180	Chain0	13.59	13.09
		5220	Chain0	13.52	13.02
		5240	Chain0	13.45	12.95
802.11n20M		5180	Chain0	13.17	12.67
		5240	Chain0	13.05	12.55
802.11n40M		5190	Chain0	12.96	12.46
		5230	Chain0	13.42	12.92
802.11ac20M		5180	Chain0	13.24	12.74
		5220	Chain0	13.20	12.70
		5240	Chain0	13.20	12.70
802.11ac40M		5190	Chain0	11.00	10.50
		5230	Chain0	11.01	10.51
802.11ac80M	5210	Chain0	10.57	10.07	

## Emission Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

Test Mode:802.11a

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	22.75
5220	Chain0	21.72
5240	Chain0	22.94

Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



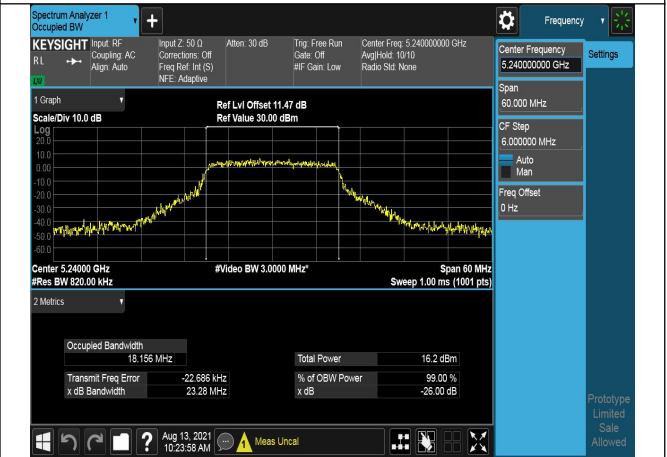
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	24.14
5240	Chain0	23.28

Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



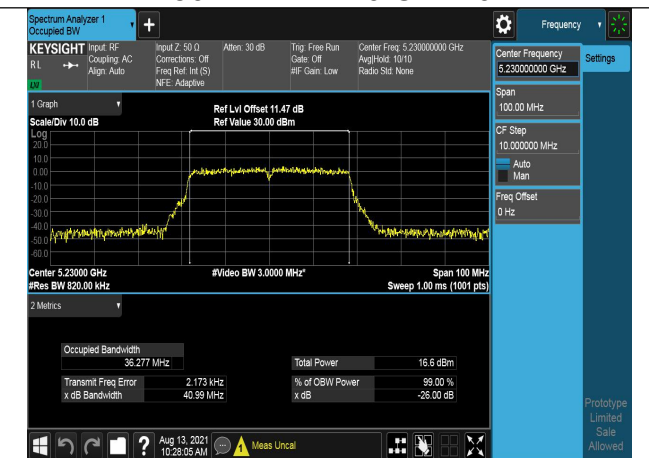
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5190	Chain0	40.65
5230	Chain0	40.99

Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	24.31
5220	Chain0	23.03
5240	Chain0	23.80

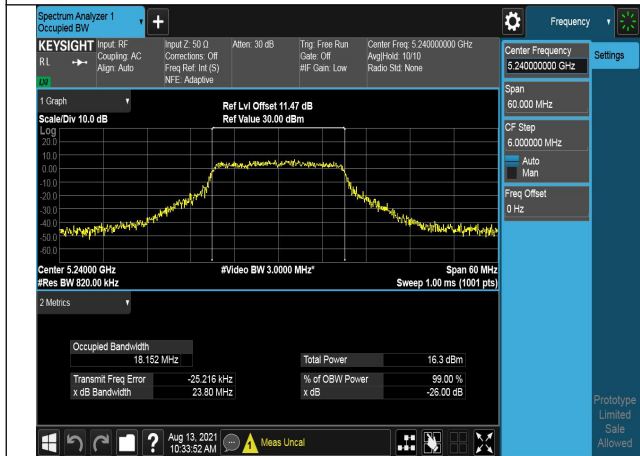
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



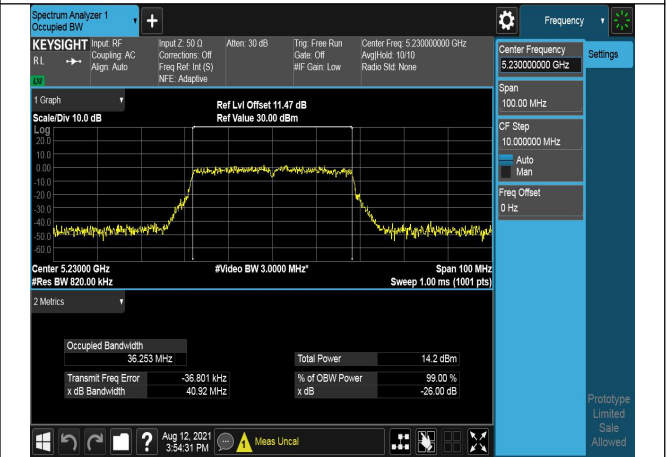
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5190	Chain0	41.37
5230	Chain0	40.92

Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5210	Chain0	81.31

Test Mode:802. 11ac VHT80 Chain0





## Occupied Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

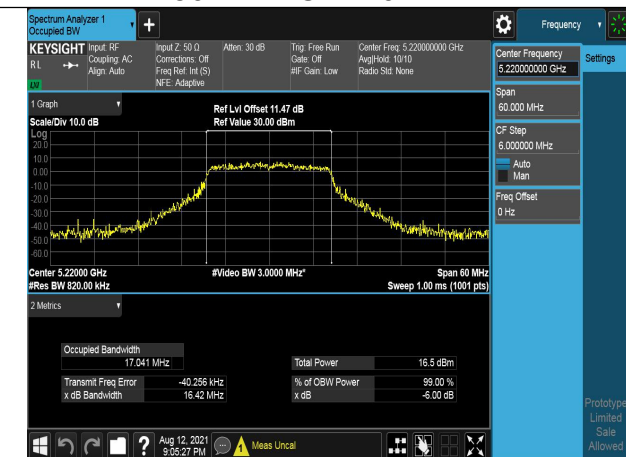
Test Mode:802.11a

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	17.057
5220	Chain0	17.041
5240	Chain0	16.940

Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



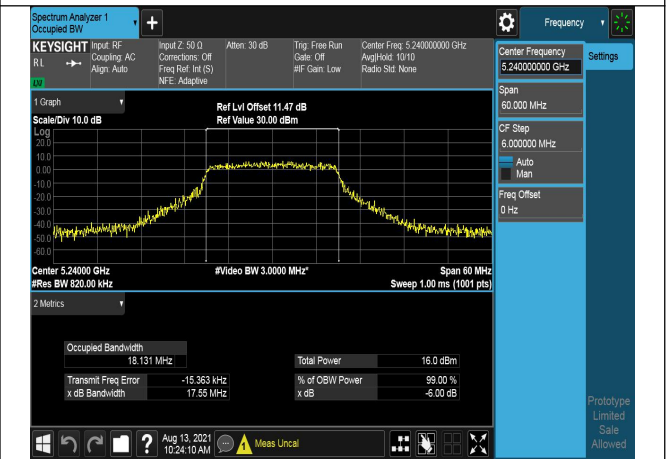
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	18.276
5240	Chain0	18.131

Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



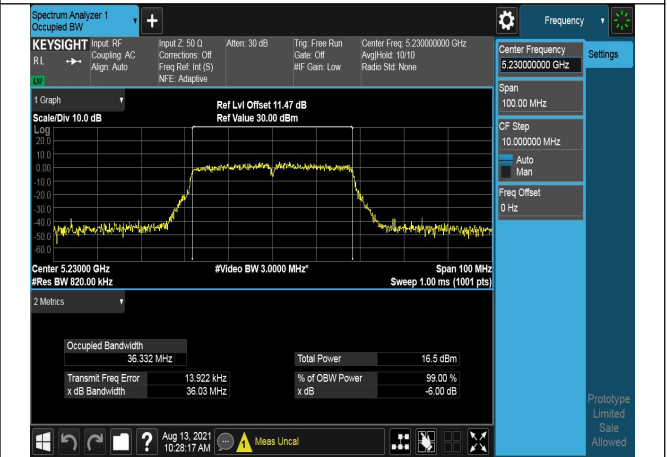
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5190	Chain0	36.406
5230	Chain0	36.332

Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



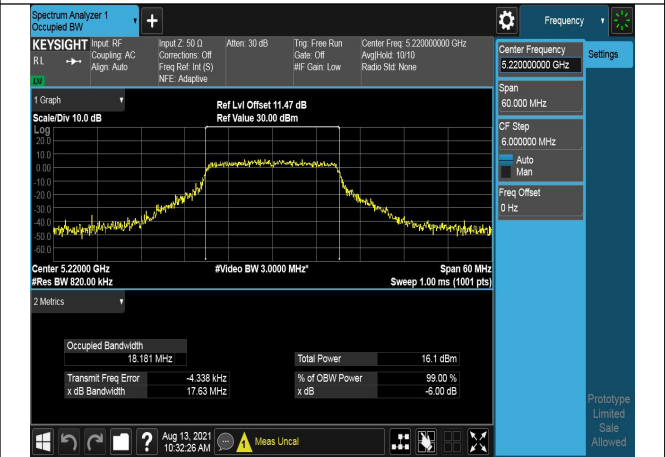
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	18.125
5220	Chain0	18.181
5240	Chain0	18.175

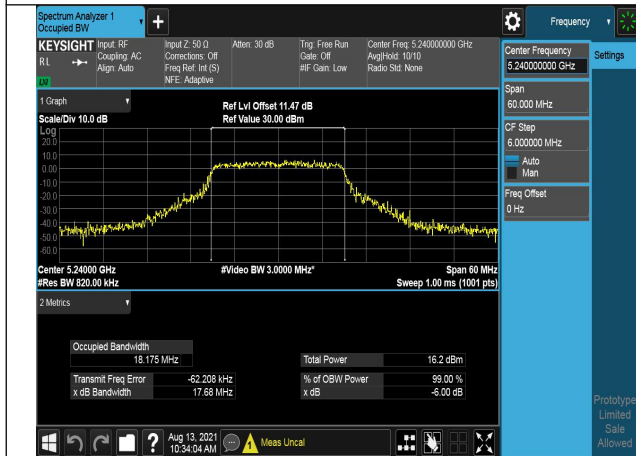
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



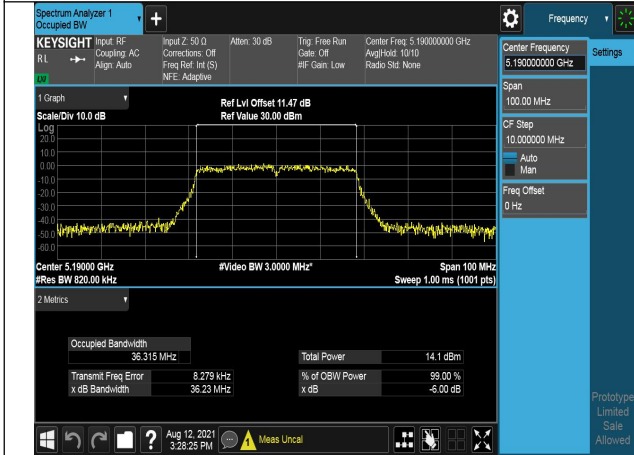
Test Mode:802. 11ac VHT20 Chain0



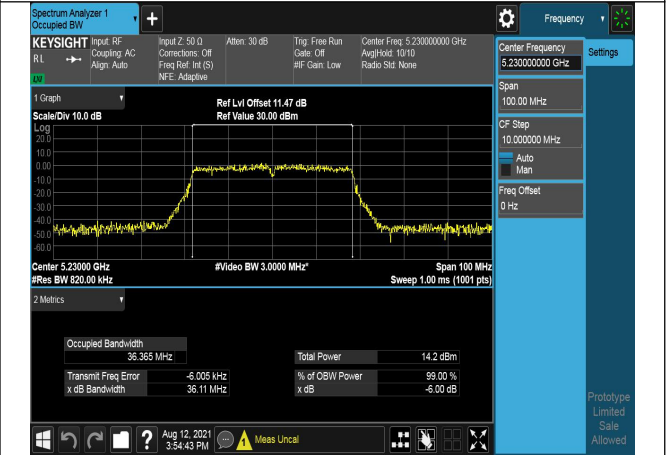
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5190	Chain0	36.315
5230	Chain0	36.365

Test Mode:802. 11ac VHT40 Chain0



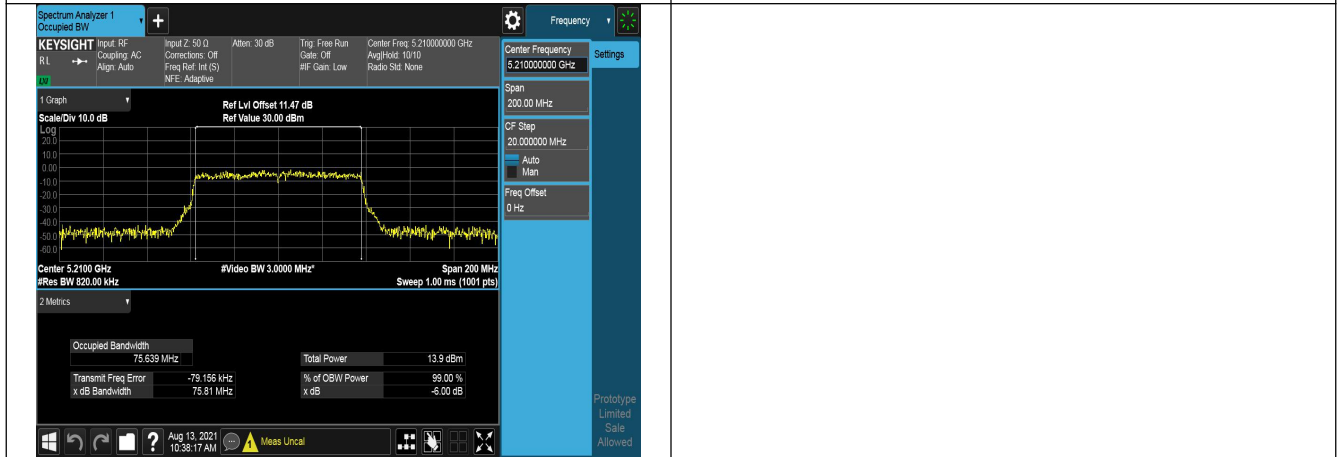
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5210	Chain0	75.639

Test Mode:802. 11ac VHT80 Chain0



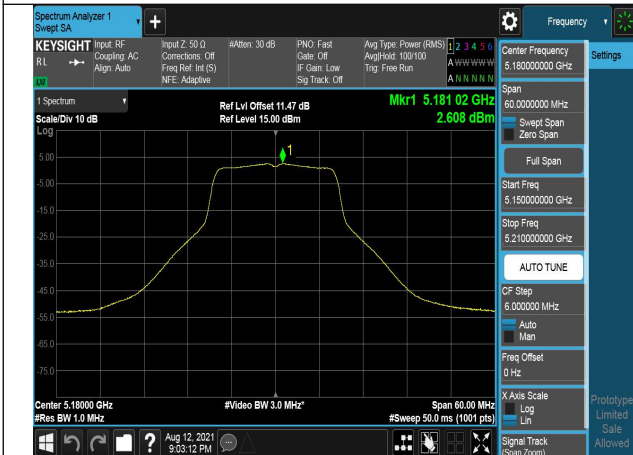
## Transmitter Power Spectral Density

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

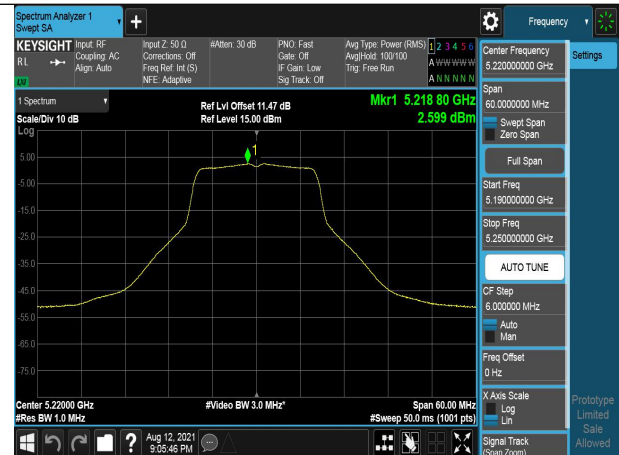
Test Mode:802.11a

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5180	0.04	Chain0	2.648
5220		Chain0	2.639
5240		Chain0	2.568

Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802. 11n HT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5180	0.05	Chain0	2.079
5240		Chain0	1.958

Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0





Test Mode:802. 11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5190	0.09	Chain0	-1.134
5230		Chain0	-0.577

Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5180	0.04	Chain0	2.105
5220		Chain0	2.072
5240		Chain0	2.061

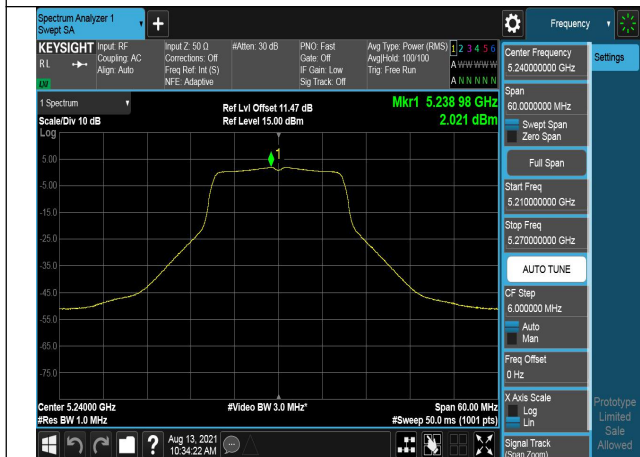
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



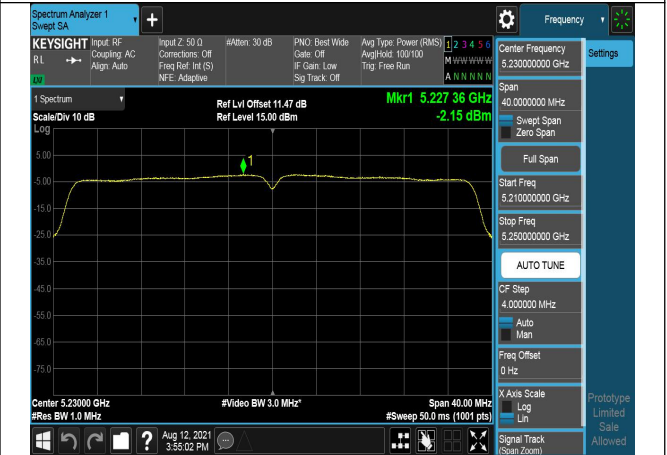
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5190	0.09	Chain0	-2.043
5230		Chain0	-2.06

Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5210	0.17	Chain0	-6.609

Test Mode:802. 11ac VHT80 Chain0

